

Bekhira, Gacem Lamine

PHP Backend Developer

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Last update: February 2nd, 2026

- Backend-focused software developer specializing in Laravel ecosystems, scalable API design, and system architecture. My work centers on building production systems that balance performance, maintainability, and real-world delivery constraints.
- I frequently bridge modern frameworks, legacy infrastructure, and high-volume data workflows, with a focus on backend reliability and system scalability.

Core Engineering Focus

- Laravel backend architecture & modular design
- REST API design and integration
- High-volume data handling & migrations
- Queue-based workflows and caching strategies
- Backend performance optimization
- Secure media delivery pipelines
- Infrastructure-aware development
- Cross-stack collaboration (Vue / React frontends)
- Go services for performance-critical workloads

Technical Stack

- Backend:** Laravel (API architecture, queues, caching, streaming), Node.js (websocket, concurrent requests), Go microservices.
- Frontend:** Vue (Inertia-style integrations), React & React Native cross-platform apps
- Databases:** PostgreSQL, MySQL, MongoDB migrations & optimization
- Infrastructure & Systems:** React Linux self-hosted environments, Nginx advanced routing, Secure media streaming pipelines
- Other Skills:** Figma, Arduino

Selected Engineering Work

Multi-App Ecosystem Architecture: Octaprize

octaprize.com

Architected backend infrastructure supporting 5 multiple interconnected applications sharing a unified data layer.

Highlights:

- Laravel modular backend architecture
- Domain isolation patterns
- Shared API communication layer
- High-throughput media handling pipeline
- Go-based upload processing service
- Performance tuning for storage-heavy workflows

Learning Platform: Secure Video Streaming Architecture

learning.octaprize.com

Designed and implemented a backend-driven course platform focused on secure media delivery and performance.

Key engineering work:

- Laravel-powered streaming control layer
- HLS video segmentation pipeline
- Nginx X-Accel-Redirect integration for protected delivery
- Encrypted media access preventing direct downloads
- Backend authorization gating for content access
- Performance offloading to Nginx for stable streaming
- Queue-based handling of video preparation workflows

Result:

- Secure, scalable video distribution
- Reduced backend load via infrastructure offloading
- Smooth playback under concurrent usage

Large-Scale Data Migration: Pet Platform

petalert.fr

Executed migration of millions of records between database engines while maintaining system integrity.

Highlights:

- Structured data transformation pipelines
- PostgreSQL optimization
- Index tuning for query performance
- Validation safeguards to prevent data loss
- Migration scripting for repeatable execution

Fitness App Backend Integration Layer: Shae Fit

shae.ai

Stabilized and unified backend infrastructure connecting legacy systems with modern tooling

Highlights:

- Node proxy bridging backend ecosystems
- Database performance improvements
- Queue optimization
- Caching strategy implementation
- Reliability-focused architecture cleanup

Analytics Platform: Facelessniches

facelessniches.com

Built backend systems for YouTube API ingestion and processing.

Highlights:

- API rate handling
- Structured data pipelines
- Background job orchestration
- Performance-aware caching strategies

Engineering Approach

- Prefer modular, maintainable backend architectures
- Design systems with scaling in mind
- Offload heavy workloads to infrastructure when appropriate
- Focus on reliability before complexity
- Optimize where bottlenecks are measurable
- Build systems intended for real-world operational constraints

Current Focus

- Advanced Laravel backend architecture
- Secure content delivery systems
- Backend performance tuning
- Go-based service design
- Infrastructure-aware application design

Socials

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